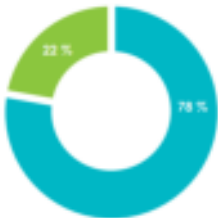
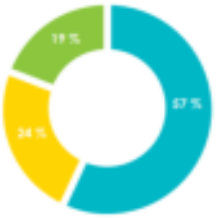
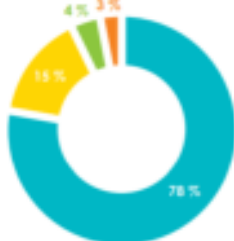


Implementation of a waste reduction roadmap



The Korian Group has put in place a roadmap to reduce by 5% the volume of residual waste by 2023 and thus reduce associated greenhouse gas emissions.

Starting date of the project	2020					
Project Localisation Places of implementation of the project at this stage and targeted geography if replicable.	Roadmap implemented in the following Korian Group countries: France, Germany, Italy, Belgium, Spain, and Netherlands.					
Project objectives Type of climate innovation of the project with a description of the problem/issue addressed	<p>Reduce residual waste by 5% by 2023 and contribute to the overall GHG reduction target of 40% by 2030 (vs. 2018)</p> <p>To achieve this commitment, Korian has put in place a waste roadmap that meets the following operational objectives:</p> <ul style="list-style-type: none">Regulatory complianceReducing the volume of residual waste producedDeploy and Improve Waste sorting in 100% of our sitesReducing the practice of landfilling and incineration for the end of life of our waste					
Detailed project description	<p>Korian emits approximately 54,000 tons of waste each year (all types of waste combined). Anxious to reduce its impact on the environment by reducing its waste production, Korian has launched a waste diagnosis in 2019 to establish a global inventory of its waste production. Based on this diagnosis, a specific waste roadmap has been defined, with several operational objectives:</p> <p>Upstream of the activity (supply)</p> <ul style="list-style-type: none">Purchase of products with reduced packagingPurchase of eco-designed / responsible productsRaise suppliers awareness to produce with reduced packagingRaise suppliers awareness to produce more responsible packaging <p>Downstream of the activity (end of life of waste)</p> <ul style="list-style-type: none">Develop and standardise waste sorting in all sites in order to recycling and reduce the volume of residual waste destined for landfill or landfill or incinerationRaising employee awareness of eco-actionsCo-construct and collaborate with external partners in the deployment of responsible solutions (reuse of bulky items, composting solutions, etc.)					
Main project's drivers for reducing the greenhouse gas emissions	Reduction levers		Details on the aspects of the project			
	<input checked="" type="checkbox"/> Energy and resource efficiency (including behaviour)		Reduced packaging Eco-designed products Awareness of eco-actions			
	<input type="checkbox"/> Energy Decarbonisation					
	<input type="checkbox"/> Energy efficiency improvements					
	<input checked="" type="checkbox"/> Improving efficiency in non-energy resources		Sorting waste			
	<input type="checkbox"/> Emissions absorption: creation of carbon sinks, negative emissions (BECCS, CCU/S, ...)					
	<input type="checkbox"/> Financing low-carbon producers or disinvestment from carbon assets					
<input type="checkbox"/> Reduction of other greenhouse gases emission						
Emission scope(s) on which the project has a significant impact and quantification of GHG emission reductions per emission scope	<table><tr><td></td><td>Aspects of the project contributing to the reduction of emissions by emission category</td><td>Quantification of associated GHG emissions by emission category</td></tr></table>				Aspects of the project contributing to the reduction of emissions by emission category	Quantification of associated GHG emissions by emission category
	Aspects of the project contributing to the reduction of emissions by emission category	Quantification of associated GHG emissions by emission category				

			Please follow the quantification methodology used in the Afep guidelines .
	Reduction of the company's carbon dependency		
	Scope 1 <i>Direct emissions generated by the company's activity.</i>		
	Scope 2 <i>Indirect emissions associated with the company's electricity and heat consumption.</i>		
	Scope 3 <i>Emissions induced (upstream or downstream) by the company's activities, products and/or services in its value chain.</i>		GHG emissions from waste represent approximately 3.2% of the Group's emissions, i.e. approximately 14,000 tCO2 per year. (Carbon footprint 2018). The roadmap aims to reduce the volume of waste by 5% in 3 years.
	Increase of carbon sinks		
	Emissions Absorption <i>Carbon sinks creation, (BECCS, CCU/S, ...)</i>		
	GHG emissions avoided by the company at third parties		
	Avoided Emissions <i>Emissions avoided by the activities, products and/or services in charge of the project, or by the financing of emission reduction projects.</i>		
<p>Clarification on the calculation or other remarks: click here to specify</p> <p>Example of results obtained with the waste diagnosis (results for France only)</p> <div> <div> <p>ESTIMATION DE LA RÉPARTITION DES DÉCHETS EN FRANCE</p>  <ul style="list-style-type: none"> Ordures ménagères résiduelles Collecte sélective </div> <div> <p>ESTIMATION DE LA RÉPARTITION DES ORDURES MÉNAGÈRES RÉSIDUELLES EN FRANCE</p>  <ul style="list-style-type: none"> Projections usagées Autres déchets Biodéchets </div> <div> <p>ESTIMATION DE LA RÉPARTITION DE LA COLLECTE SÉLECTIVE EN FRANCE</p>  <ul style="list-style-type: none"> Emballages (dont cartons) DASRI Papiers Autres déchets </div> </div>			
Modality of verification of the quantification.	Calculation standard used (ADEME base, GHG protocol, etc.): Waste diagnosis made by Take a Waste (2019/2020), Verification of the calculation (internal or external): external		
Other environmental and social benefits of the project	The Waste Roadmap contributes to the following SDGs: - SDG 12 Responsible consumption and production: by reducing the Group's waste production		

	- SDG 13 Action on climate change: by reducing CO2 emissions through the reduction and better sorting of waste - SDG 17 Partnerships for achieving the goals
Project maturity level	<input type="checkbox"/> Prototype laboratory test (TRL 7) <input type="checkbox"/> Real life testing (TRL 7-8) <input type="checkbox"/> Pre-commercial prototype (TRL 9) <input type="checkbox"/> Small-scale implementation <input checked="" type="checkbox"/> Medium to large scale implementation Remarks: Implementation of the waste roadmap in a network of over 950 sites in Europe.
Capacity and conditions of the project reproducibility, with associated climate impact mitigation potential	To replicate and extend the roadmap to other Group sites, it is necessary to: <ul style="list-style-type: none"> • Set target by country • Set tracking indicators • Develop a platform/data for reporting • Raising awareness and mobilize the Group • Set an Operational Action Plan (CAPEX)
Amount of investment made (in €)	<ul style="list-style-type: none"> • Inclusion of low-carbon investments in the company's CAPEX maintenance trajectory
Economic profitability of the project (ROI)	<input checked="" type="checkbox"/> ST (0-3 years) <input type="checkbox"/> MT (4-10 years) <input type="checkbox"/> LT (> 10 years) Remarks:
Engaged partnerships	<ul style="list-style-type: none"> • Korian is assisted by Take a Waste to define the waste roadmap and operational objectives. • HalTOGaspi assistance to perform a detailed diagnosis on food waste
Open comments from the project owner	Given its geographical scope, the Group is dependent on local private or public collection agencies, which can vary from one country / region to another.
More about the project	
Contact the company carrying the project	csr@korian.com
Project URL links	Korian CSR booklet : https://www.korian.com/sites/default/files/documents/CSR-booklet_Korian.pdf
Illustrations of the project	